

Title (en)  
DRIVE DEVICE AND VENTILATION MEMBER

Title (de)  
ANTRIEBSVORRICHTUNG UND BELÜFTUNGSELEMENT

Title (fr)  
DISPOSITIF D'ENTRAÎNEMENT ET ÉLÉMENT DE VENTILATION

Publication  
**EP 3223399 A4 20181205 (EN)**

Application  
**EP 15860099 A 20151119**

Priority  
• JP 2014234903 A 20141119  
• JP 2015082568 W 20151119

Abstract (en)  
[origin: EP3223399A1] A drive device includes: a rotor 110 and a stator 120; a case 130 housing the rotor 110 and the stator 120; a brake rotor 31 that is arranged on the outside of the case 130 and rotates in conjunction with the rotation of the rotor 110; a brake caliper 32 that stops the rotation of the brake rotor 31 by coming in contact with the brake rotor 31; and a ventilation membrane 210 that is attached to the case 130, stops fluid or solids from penetrating inside the case 130 from outside the case 130 and also has formed therein multiple pores that permit gas to flow between inside and outside. The case 130 has an output part 140 that supports the rotor 110 and a stator holding part 150 that supports the stator 120. The ventilation membrane 210 is attached to the stator holding part 150.

IPC 8 full level  
**B60K 7/00** (2006.01); **B60K 11/08** (2006.01); **B60L 15/00** (2006.01); **F21V 31/03** (2006.01); **H02K 5/10** (2006.01); **H02K 7/14** (2006.01)

CPC (source: EP KR US)  
**B01D 71/36** (2013.01 - US); **B60K 7/00** (2013.01 - KR US); **B60K 7/0007** (2013.01 - EP US); **B60K 11/06** (2013.01 - EP US); **B60K 11/08** (2013.01 - EP US); **B60L 15/00** (2013.01 - EP KR US); **H02K 5/10** (2013.01 - EP KR US); **H02K 7/14** (2013.01 - EP KR US); **H02K 9/02** (2013.01 - US); **B60K 2001/006** (2013.01 - EP US); **B60K 2007/0038** (2013.01 - EP US); **B60K 2007/0092** (2013.01 - EP US); **Y02T 10/64** (2013.01 - EP KR)

Citation (search report)  
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• [X] EP 1363069 A2 20031119 - NITTO DENKO CORP [JP]  
• See references of WO 2016080494A1

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3223399 A1 20170927; EP 3223399 A4 20181205; EP 3223399 B1 20220413**; CN 107005122 A 20170801; CN 107005122 B 20200717; JP 2016100948 A 20160530; JP 6482249 B2 20190313; KR 102529428 B1 20230504; KR 20170088842 A 20170802; US 10516315 B2 20191224; US 2017324297 A1 20171109; WO 2016080494 A1 20160526

DOCDB simple family (application)  
**EP 15860099 A 20151119**; CN 201580062109 A 20151119; JP 2014234903 A 20141119; JP 2015082568 W 20151119; KR 20177013095 A 20151119; US 201515528469 A 20151119